Author Index Volume 9 Numbers 1-6

Allen, Allen D. *Correcting the Concept of Denseness for the Bootstrap* . . . 219
Audretsch, J. *Quantum Mechanics of 'Free' Spin-1/2 Particles in an Expanding Universe* . . . 323
Band, William. *Quantum Mechanical State Preparation II–The Statistical Ensemble as a Thermostat* . . . 415
Bergmann, Otto. *Interacting Matter and Radiation in Homogeneous Isotropic World Models* . . . 47
Borghese, F. *The Klein-Gordon Equation as a Limiting Case of a Suitably Hyperbolized Schrödinger Equation* . . . 55
Boyling, J.B. *Thermodynamics of Non-Differentiable Systems* . . . 379
Bugajska, K. *On the Representation Theorem for Quantum Logic* . . . 93
Carmeli, M. *Infinite-Dimensional Representations of the Lorentz Group: The Complete Series* . . . 145
Cohn, Jack. *Holistic Electron Theory* . . . 179
Cooperstock, F. I. *Singularities in Weyl Gravitational Fields* . . . 59
Denti, P. *The Klein-Gordon Equation as a Limiting Case of a Suitably Hyperbolized Schrödinger Equation* . . . 55
Griffiths, J. B. *A Contribution to the Rainich Theory of the Neutrino Field II* . . . 253
Groenewold, H. J. *Gravitation and Other Field Theories* . . . 19
Hellwig, K.-E. *Propositional Systems and Measurements–I* . . . 277
Hobbs, J. M. *The Contribution of the C-Field to the Action Functional* . . . 157
Junevicus, G. J. *Singularities in Weyl Gravitational Fields* . . . 59
Knight, Wayne R. *Interacting Matter and Radiation in Homogeneous Isotropic World Models* . . . 47
Kodre, A. *The Goos-Hänchen Shift on a Layer* . . . 393
Krausser, D. *Propositional Systems and Measurements–I* . . . 277
Lanz, L. *The Embedding of Unstable Non-relativistic Particles into Gaililean Quantum Field Theories* . . . 1
Lanz, L. *On the Particle Level of Galilean Quantum Field Theories* . . . 341
Lord, Eric A. *Geometry of the De-Sitter Universe* . . . 117
Lord, Eric A. *Redshift Formulae for De-Sitter Type Metrics* . . . 129
Lugiato, L. A. *The Embedding of Unstable Non-relativistic Particles into Galilean Quantum Field Theories* . . . 1
Lugiato, L. A. *On the Particle Level of Galilean Quantum Field Theories* . . . 341
Malin, S. *Infinite-Dimensional Representations of the Lorentz Group: The Complete Series* . . . 145
Malzan, Jerry. *Quantum Mechanics Presented as Harmonic Analysis* . . . 305
Marinov, Stefan. *Velocity of Light in a Moving Medium According to the Absolute Space-Time Theory* . . . 139
Marx, Egon. *Third-Order Equation for Two-Component Spinors* . . . 75
Marx, Egon. *Many-Times Formalism and Coulomb Interaction* . . . 195
Morris, Hedley C. *The Present Status of the Coish Model* . . . 369
Muraskin, M. *Further Studies in Aesthetic Field Theory IV* . . . 405
Neumann, Holder. *A New Physical Characterisation of Classical Systems in Quantum Mechanics* . . . 225
Nordtvedt, K. Jr. *Equation of Motion for Non-Geodesic Laboratory Bodies* . . . 269
Ohanian, Hans C. *On the Focusing of Gravitational Radiation* . . . 425
Papp, E. *Field-Theoretical Space-Time Quantisation* . . . 101
Park, James L. *Quantum Mechanical State Preparation II–The Statistical Ensemble as a Thermostat* . . . 415
Pavšič, Matej. *External Inversion, Internal Inversion, and Reflection Invariance* . . . 229
Prokhovnik, S. J. *Is a Cosmological Substratum Compatible with Relativity?* . . . 291
Ramella, G. *The Embedding of Unstable Non-relativistic Particles into Galilean Quantum Field Theories* . . . 1

Rawson-Harris, D. *On Stationary Axially Symmetric Interior Solutions in General Relativity* 137
Ruggeri, G. J. *On Fermi-like Quantisation of Classical Mechanics* 245
Ruggeri, T. *The Klein-Gordon Equation as a Limiting Case of a Suitably Hyperbolized Schrödinger Equation* 55
Sabbadini, A. *The Embedding of Unstable Non-relativistic Particles into Galilean Quantum Field Theories* 1
Strnad, J. *The Goos-Hänchen Shift on a Layer* 393
Surdin, M. *The Natural Line-Breadth in Stochastic Electrodynamics* 185
Tassie, L. J. *Lines of Quantised Magnetic Flux and the Relativistic String of the Dual Resonance Model of Hadrons* 167
Tupper, B. O. J. *Spherically Symmetric Solutions of Einstein-Maxwell Theory with Null Fluid* 69
Wiarda, G. G. *Gravitational Energy-Momentum Densities of Arbitrary Weight* . . . 263

Author Index Volume 10 Numbers 1–6

Bandyopadhyay, Pratul. *Some Remarks on the Dynamical Origin of Charge and Space-Time Quantisation* 175
Booth, Dexter J. *A Galactic Model II: The Gravitationally Radiated Angular and Linear Momenta Fluxes* 333
Camenzind, M. *Internal Geometrical Structures on Minkowski Space-Time and Yang-Mills Symmetries* 197
Chela-Flores, J. *Physical Quantities in a Classical Two-Tensor Theory of Gravitation* . 103
Delaney, W. *A New Semiclassical Elementary Particle Model* 239
Dionysiou, Demetrios D. *Flux of Momentum of N-Bodies System by Gravitational Waves* 355
Edmonds, James D. Jr. *Quaternion Wave Equations in Curved Space-Time* 115
Edmonds, James D. Jr. *Five-and Eight-Vector Extensions of Relativistic Quantum Theory: The Preferred Reference Frame* 273
Efimov, G. V. *Quantization of Non-Local Field Theory* 19
Folomeshkin, V. N. *Zero Value of the Schwarzschildian Mass of Asymptotically Euclidian Time-Symmetrical Gravitational Waves* 145
Held, A. *Some Zero Rest Mass Test Fields in General Relativity* 179
Hellwig, K.-E. *Propositional Systems and Measurements–II* 261
Horndeski, Gregory Walter. *Second-Order Scalar-Tensor Field Equations in a Four-Dimensional Space* 363
Kaliappan, P. *Another Form of Einstein's Addition Law of Velocities* 189
Katz, J. *Preferred Frames and Oscillating Universes* 165
Khan, Irshadullah. *On an Analyticity Property in (Complex) Phase Space* 73
Krausser, D. *Propositional Systems and Measurements–II* 261
Kupczynski, M. *Is the Hilbert Space Language Too Rich?* 297
Lovelock, David. *The Electromagnetic Energy Momentum Tensor and its Uniqueness* . 59
Lücke, W. *An Improved Derivation of the LSZ Asymptotic Condition within the Framework of the Haag-Ruelle Scattering Theory* 91
Marx, Egon. *Third-Order Equation for Bispinors* 253
Nanda, S. *Compact Topologies on Minkowski Space* 159
Palev, T. *Parastatistics and the Lie Algebraical Methods Used There* 229
Panda, H. K. *Compact Topologies on Minkowski Space* 159
Papp, E. *Imprecision Description of the Threshold Behaviour of the High-Energy Pairs Annihilation and Production Processes* 123
Papp, E. *An Extended Approach to the Field-Theoretical Time Operators* 385
Perjés, Zoltán. *Classification of Stationary Space-Times* 217
Sachs, Mendel. *Reply to Leiter's Criticism of a New Theory of Elementary Matter* . 317
Sachs, Mendel. *On Dingle's Controversy about the Clock Paradox and the Evolution of Ideas in Science* 321
Sarkar, S. *On the Trace and the Relativistic Scalar Products Involving Dirac Matrices γ_i and the 4 x 4 Unit Matrix* 291
Sen, D. K. *A Homomorphism Theorem for the Poincaré Group* 153
Skalafuris, Angelo James. *Density Quantization of Metallic Hydrogen* 1
Szeifel, P. F. *Measurement in Quantum Mechanics and the EPR Paradox* 67
Voorhees, B. H. *Some Zero Rest Mass Test Fields in General Relativity* 179
Von Westenholz, C. *A New Approach to Interacting Fields* 391
Wainwright, J. *Algebraically Special Fluid Space-Times with Hypersurface-Orthogonal Shearfree Rays* 39

Author Index Volume 11 Numbers 1-6

Allen, Allen D. *Rotational Solutions Under the New Theory of Motion* . . . 317
Bezak, Viktor. *A Path-Integral Formulation of the Pauli Equation Using Two Real Spin Coordinates* . . . 321
Bisshopp, Frederic. *A Discrete Spectrum of Solutions of the Wave Equation with Strong Cubic Nonlinearity* . . . 5
Boya, Luis J. *Symmetry in Quantum Systems* . . . 187
Bracken, A. J. *Angular Momentum in Tensor Representations of* U *(3)* . . . 157
Chacko, Thomas. *Rest Mass Quantisation of Elementary Particles and Possible Existence of Hitherto Unknown Particles* . . . 1
Cheon, Il-Tong. *On the Motion of a Particle with Anisotropic Mass* . . . 125
Chow, T. L. *The Conservation Equations of the Charge and Current Densities of a Free Relativistic Electron* . . . 425
Chukwumah, G. C. *Hypercomplex Extensions of the General Linear Group* GL(n,R) . . . 261
Cirelli, R. *On the Isomorphism of a Quantum Logic with the Logic of the Projections in a Hilbert Space. II* . . . 135
Cohen, H. A. *The Action Principle in Quantum Mechanics* . . . 289
Cotta-Ramusino, P. *On the Isomorphism of a Quantum Logic with the Logic of the Projections in a Hilbert Space. II* . . . 135
Daboul, Jamil. *On Generalising Abraham-Lorentz Equation* . . . 145
Dighton, Kenza. *An Introduction to the Theory of Local Twistors* . . . 31
Edmonds, James, D. Jr. *Five-Dimensional Space-Time: Mass and the Fundamental Length* . . . 309
Folomeshkin, V. N. *Zero Value of the Schwarzschild Mass for an Asymptotically Euclidian System of Gravitational Waves* . . . 387
Green, H. S. *Angular Momentum in Tensor Representation of* U *(3)* . . . 157
Helstrom, Carl W. *Estimation of a Displacement Parameter of a Quantum System* . . . 357
Herbut, Fedor. *Minimal-Disturbance Measurement as a Specification in von Neumann's Quantal Theory of Measurement* . . . 193
Hogan, P. A. *The Gravitational Field of a Nullicle* . . . 419
Ikeda, Satoshi. *On Weyl's Gauge Field in a Non-Local Field* . . . 205
Krause, Jorge. *Orthonomal Tetrad Transport. II. Physical Identification of the Normals and Curvatures of a Time-Like Curve* . . . 273
Künzle, H. P. *A Relativistic Analogue of the Kepler Problem* . . . 395
Lorente, Miguel. *Cayley Parametrization of Semisimple Lie Groups and its Application to Physical Laws in a (3 + 1)-Dimensional Cubic Lattice* . . . 213
Maczyński, M. J. *Functional Properties of Quantum Logics* . . . 149
Mamojka, Branislav. *Entropic Uncertainty Relation* . . . 73
Muraskin, M. *Further Studies in Aesthetic Field Theory V; Higher Dimensions* . . . 93
Ndili, F. N. *Hypercomplex Extensions of the General Linear Group* GL(n, R) . . . 261
Novati, E. *On the Isomorphism of a Quantum Logic with the Logic of the Projections in a Hilbert Space. II* . . . 135
Podlaha, M. *The Axiomatic Foundations of the Theory of Special Relativity–Reply to Stiegler* . . . 69
Ring, B. *Further Studies in Aesthetic Field Theory V; Higher Dimensions* . . . 93
Rosen, Gerald. *Square-roots, Internal Symmetries, and Fermion Field Quantization* . . . 305
Shaharir, M. Z. *The Action Principle in Quantum Mechanics* . . . 289
Sigal, Richard F. *Conformal Invariance and the Six-Dimensional Formalism* . . . 45
Strauss, M. *Rotating Frames in Special Relativity* . . . 107
Tauber, Gerald, E. *The Sugawara Model in General Relativity. A. The Case for Three Current Vectors (SU(2))* . . . 175
Tupper, B. O. J. *Common Solutions of the Einstein and Brans-Dicke Theories* . . . 353
Whiston, George S. *'Hyperspace' (The Cobordism Theory of Space-Time)* . . . 285
Whiston, George S. *Topics on Space-Time Topology II* . . . 341
Yoshimura, Tetz. *Green's Function Approach to Quantum Field Theory in Locally Convex Space and Question of Uniqueness* . . . 379
Zhdanov, V. I. *On the Weak-Field Approximation in the Two-Body Problem of General Relativity* . . . 249